

SEARCH REQUEST FORM

112796

Requestor's Name: DAVE NGUYEN Serial Number: 101081,463
Date: 11/21/04 Phone: 571-270-0731 Art Unit: 1632

Search Topic:

Please write a detailed statement of search topic. Describe specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples or relevant citations, authors, keywords, etc., if known. For sequences, please attach a copy of the sequence. You may include a copy of the broadest and/or most relevant claim(s).

Please search the claims as set forth

in clm 78

DAVE NG.

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Type of Search

N.A. Sequence

A.A. Sequence

Structure

Bibliographic

Vendors

IG

STN

Dialog

APS

Geninfo

SDC

DARC/Questel

Other

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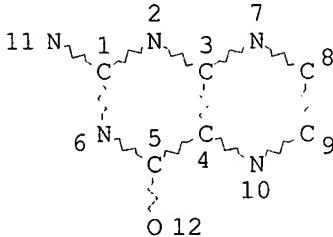
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FILE COVERS 1907 - 31 Jan 2004 VOL 140 ISS 6
FILE LAST UPDATED: 30 Jan 2004 (20040130/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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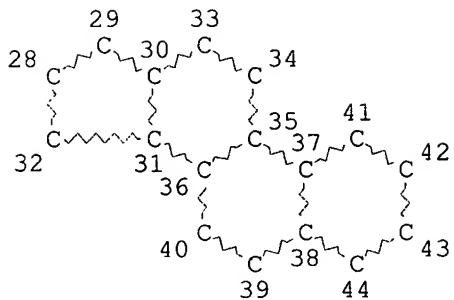
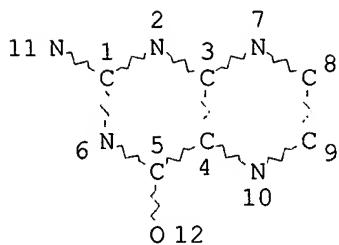
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L12 STR



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 12

STEREO ATTRIBUTES: NONE
L14 5245 SEA FILE=REGISTRY SSS FUL L12
L15 STR



NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 29

STEREO ATTRIBUTES: NONE

L16 5 SEA FILE=REGISTRY SUB=L14 SSS FUL L15
 L17 3 SEA FILE=HCAPLUS ABB=ON PLU=ON L16

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=> d ibib abs hitrn l17 1-3

L17 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2003:696726 HCAPLUS

DOCUMENT NUMBER: 139:224407

TITLE: Folate-conjugated compns. for treatment of acute myeloid leukemia by inducing folate receptor-.beta. expression

INVENTOR(S): Lee, Robert J.; Ratnam, Manohar

PATENT ASSIGNEE(S): The Ohio State University Research Foundation, USA

SOURCE: PCT Int. Appl., 48 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2003072091	A1	20030904	WO 2003-US5961	20030227
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

US 2003170299	A1	20030911	US 2003-375888	20030227
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PRIORITY APPLN. INFO.:	US 2002-360408P	P	20020227
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AB The invention provides a method for treating leukemia in a patient. The method comprises administering to the patient a substance that increases expression of folate receptor-.beta. on leukemia cells in the patient, called a FR-.beta. inducer, and administering a folate-conjugated therapeutic that targets the leukemia cells in the patient. The invention also comprises pharmaceutical compns. contg. one or both of a FR-.beta. inducer and a folate-conjugated therapeutic. The invention also provides a kit for use in treating leukemia in a patient, the kit comprising an FR-.beta. inducer and a folate-conjugated therapeutic.

IT 591752-80-6

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(folate-conjugated compns. for treatment of acute myeloid leukemia by inducing folate receptor-.beta. expression)

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 2 OF 3 HCPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2000:725435 HCPLUS

DOCUMENT NUMBER: 133:301170

TITLE: Fusogenic lipids and vesicles for delivery of pharmaceutical agents

INVENTOR(S): Leamon, Christopher Paul

PATENT ASSIGNEE(S): Isis Pharmaceuticals, Inc., USA

SOURCE: PCT Int. Appl., 65 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000059474	A1	20001012	WO 2000-US9473	20000406
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
US 6379698	B1	20020430	US 1999-287175	19990406
EP 1165047	A1	20020102	EP 2000-921959	20000406
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
JP 2002541089	T2	20021203	JP 2000-609038	20000406

US 2003082154 A1 20030501 US 2002-81463 20020222
 PRIORITY APPLN. INFO.: US 1999-287175 A 19990406
 WO 2000-US9473 W 20000406

OTHER SOURCE(S): MARPAT 133:301170

AB Novel lipid compds. are provided that may be termed "pro-cationic" in that they are neutral or neg. charged until they are either brought into contact with cellular membranes or are internalized by cells. The lipids have a hydrophobic tail group and a hydrophilic head group, the head group incorporating both a pos. and neg. charged region at physiol. pH. The hydrophobic tail group is stably connected to the pos. region of the head group which in turn is connected to the neg. region by a disulfide bond that is susceptible to cleavage by membrane-bound and intracellular factors. Cleavage of the disulfide bond removes the neg. charged region from the head group resulting in a lipid that is cationic and therefore fusogenic with neg. charged cell membranes. Consequently, lipids of the invention are useful as components of liposomes that serve as vehicles for delivering pharmaceutical agents into cells with reduced toxicity. Cholesteryl-[N-[(1-amidonobutyl)aminoethyl]carbamoyl]-dithiosuccinate (CHETSu) was prep., and mixed with dioleoylphosphatidylethanolamine (DOPE). A phosphorothioate backbone oligonucleotide ISIS-5132 soln. was prep. and added to the lipids to form large multi-lamellar liposomes.

IT 300711-56-2P

RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(fusogenic lipids and vesicles for liposome drug delivery systems)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 3 OF 3 HCPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1992:235322 HCPLUS

DOCUMENT NUMBER: 116:235322

TITLE: Novel regio- and stereoselective synthesis of 6-substituted pteridines and naturally occurring L-erythro-biopterin

AUTHOR(S): Murata, Shizaki; Sugimoto, Takashi; Ogiwara, Shoji; Mogi, Kouichi; Wasada, Hiroaki

CORPORATE SOURCE: Coll. Gen. Educ., Nagoya Univ., Nagoya, 464-01, Japan

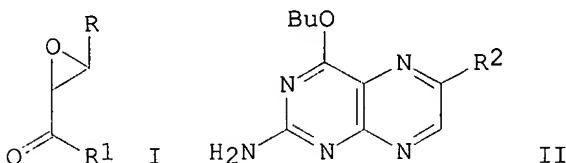
SOURCE: Synthesis (1992), (3), 303-8

CODEN: SYNTBF; ISSN: 0039-7881

DOCUMENT TYPE: Journal

LANGUAGE: English

GI



AB Condensation of 2,4,5-triamino-6-butoxypyrimidine with 2-formyloxiranes I ($R = Me, Pr, Ph$, $R1 = H, R1 = Me$) followed by oxidn. with iodine affords 2-amino-4-butoxy-6-(1-hydroxyalkyl)pteridines II ($R2 = CHROH, Me$) regioselectively. Naturally occurring L-erythro-biopterin is synthesized from (1S,2S,3S)-2-formyl-3-(1-hydroxyethyl)oxirane. The reaction proceeds via 5,6-dihydropteridine, and the mechanism is discussed with the help of MO calcns.

IT 141191-98-2P 141271-04-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prep. and hydrolysis of)
IT 141191-96-OP
RL: SPN (Synthetic preparation); PREP (Preparation)
(prep. of)

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=> fil caold
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FILE COVERS 1907-1966
FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

This file supports REG1stRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

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L18 O L16

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 30 JAN 2004 HIGHEST RN 644468-14-4
DICTIONARY FILE UPDATES: 30 JAN 2004 HIGHEST RN 644468-14-4

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
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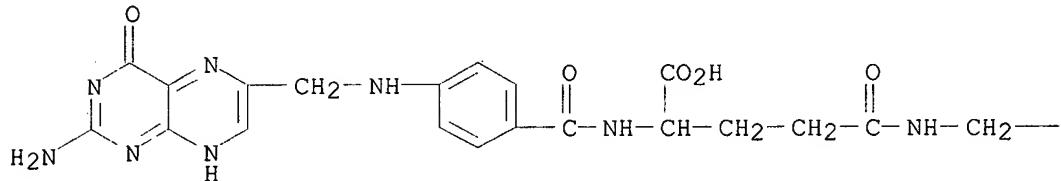
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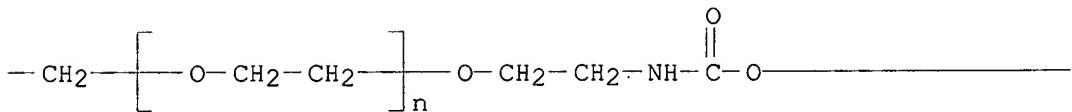
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L16 ANSWER 1 OF 5 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 591752-80-6 REGISTRY
 CN Poly(oxy-1,2-ethanediyl), .alpha.-[2-[[(4S)-4-[[4-[[2-amino-1,4-dihydro-4-oxo-6-pteridinyl)methyl]amino]benzoyl]amino]-4-carboxy-1-oxobutyl]amino]ethyl].omega.-[2-[[[(3. β .)-cholest-5-en-3-yloxy]carbonyl]amino]ethoxy]- (9CI) (CA INDEX NAME)
 MF (C₂ H₄ O)_n C₅₁ H₇₃ N₉ O₈
 CI PMS
 PCT Polyether
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

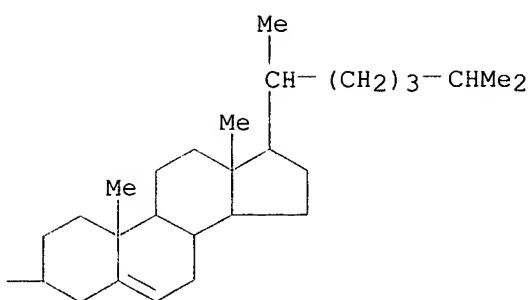
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PAGE 1-B



PAGE 1-C

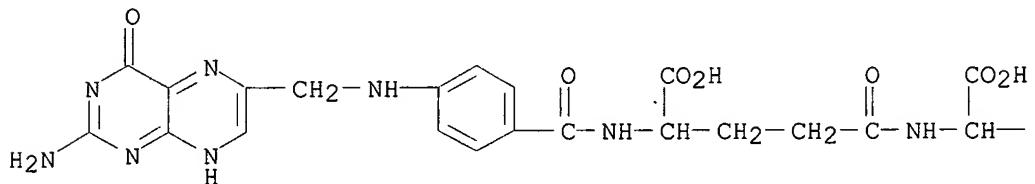


1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

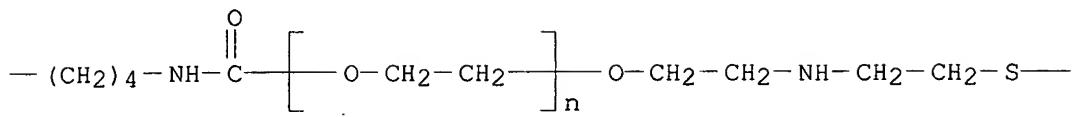
REFERENCE 1: 139:224407

L16 ANSWER 2 OF 5 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 300711-56-2 REGISTRY
 CN Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-[[16-[(3.beta.)-cholest-5-en-3-yloxy]-11-imino-16-oxo-6,7-dithia-3,12,15-triazahexadec-1-yl]oxy]-, 26-ester with N-[4-[(2-amino-1,4-dihydro-4-oxo-6-pteridinyl)methyl]amino]benzoyl]-L-.gamma.-glutamyl-N6-carboxy-L-lysine (9CI) (CA INDEX NAME)
 MF (C₂ H₄ O)_n C₆₄ H₉₇ N₁₃ O₁₁ S₂
 CI PMS
 PCT Polyether
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

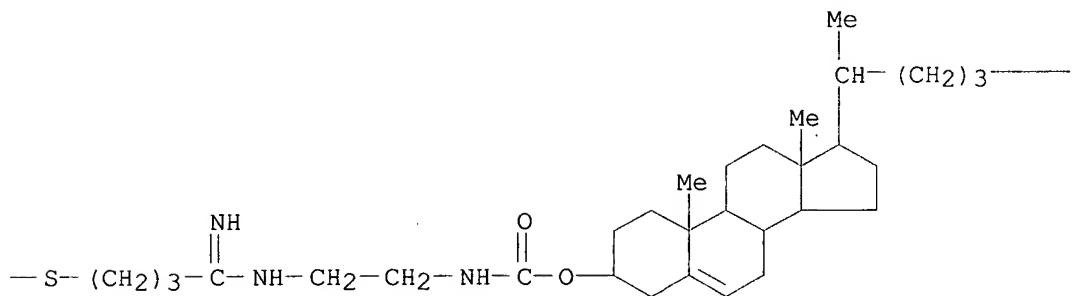
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PAGE 1-B



PAGE 1-C



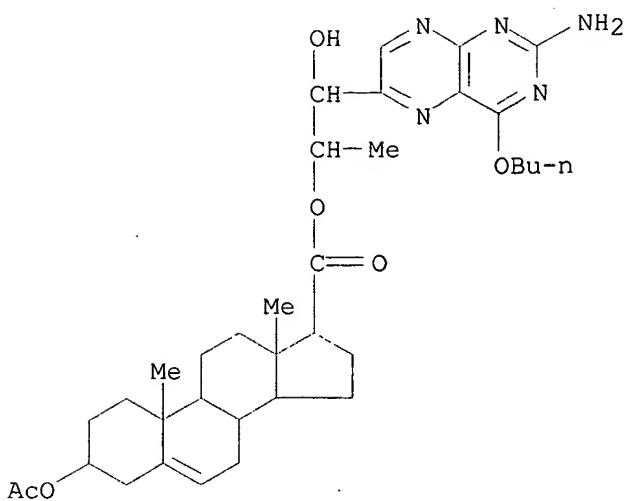
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1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 133:301170

L16 ANSWER 3 OF 5 REGISTRY COPYRIGHT 2004 ACS.on STN
 RN 141271-04-7 REGISTRY
 CN Androst-5-ene-17-carboxylic acid, 3-(acetyloxy)-, 2-(2-amino-4-butoxy-6-pteridinyl)-2-hydroxy-1-methylethyl ester, [3. β .,17. β .(1R,2S)]- (9CI) (CA INDEX NAME)
 MF C35.H49.N5.O6
 SR CA
 LC STN Files: BEILSTEIN*, CA, CAPLUS
 (*File contains numerically searchable property data)

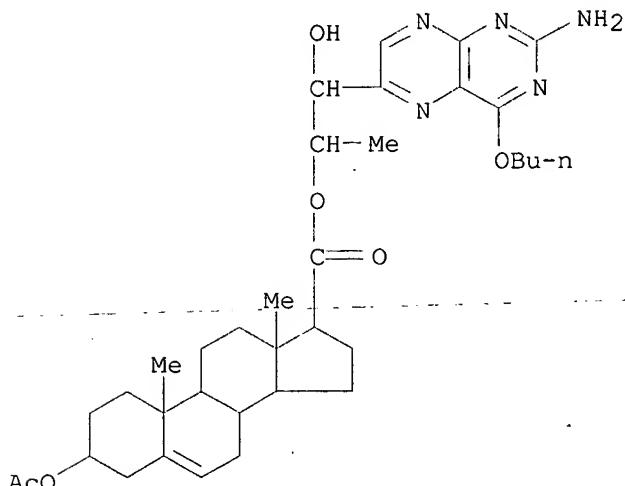


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 116:235322

L16 ANSWER 4 OF 5 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 141191-98-2 REGISTRY
 CN Androst-5-ene-17-carboxylic acid, 3-(acetyloxy)-, 2-(2-amino-4-butoxy-6-pteridinyl)-2-hydroxy-1-methylethyl ester, [3. β .,17. β .(1S,2R)]-
 (9CI) (CA INDEX NAME)
 MF C35 H49 N5 O6
 SR CA
 LC STN Files: BEILSTEIN*, CA, CAPLUS
 (*File contains numerically searchable property data)

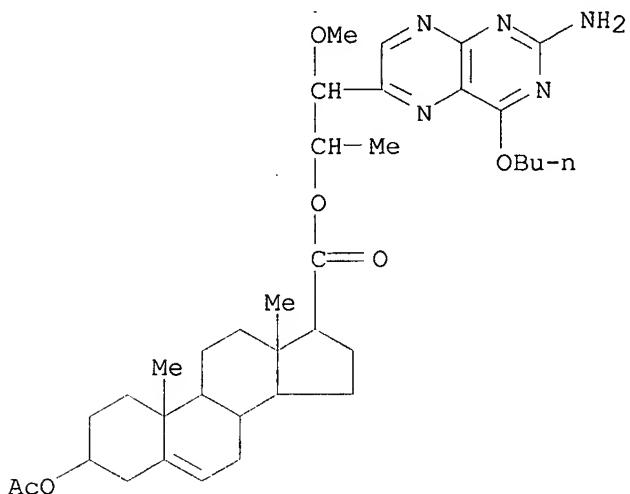


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 116:235322

L16 ANSWER 5 OF 5 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 141191-96-0 REGISTRY
 CN Androst-5-ene-17-carboxylic acid, 3-(acetyloxy)-, 2-(2-amino-4-butoxy-6-pteridinyl)-2-methoxy-1-methylethyl ester, [3. β ,17. β .(1S)]- (9CI)
 (CA INDEX NAME)
 MF C36 H51 N5 O6
 SR CA
 LC STN Files: BEILSTEIN*, CA, CAPLUS
 (*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 116:235322